## Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

## **Listing of Claims:**

- 1. (Currently Amended): A catalyst composition, comprising:
  - (a) a molecular sieve;
  - (b) a clay or clay-type matrix material containing less than about 10,000 wppm iron and iron-containing species, based on the total weight of the matrix material; and
  - (c) optionally binder.
- 2. (Original): The composition of claim 1, wherein the matrix material contains less than about 7,000 wppm iron and iron-containing species, based on the total weight of the matrix material.
- 3. (Original): The composition of claim 2, wherein the matrix material contains less than about 4,000 wppm iron and iron-containing species, based on the total weight of the matrix material.
- 4. (Original): The composition of claim 1, wherein the matrix material is selected from the group consisting of: kaolin, halloysite, kaolinite, dickite, nacrîte, hectorite and laponite.
- 5. (Original): The composition of claim 1, wherein the catalyst composition has a d<sub>50</sub> particle size from about 20 to about 200 microns.
- (Original): The composition of claim 1, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof and mixtures thereof.

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- 7. (Original): The composition of claim 6, wherein the molecular sieve is selected from the group consisting of SAPO-34, AEI/CHA intergrowths, the metal containing forms thereof, and mixtures thereof.
- 8. (Original): The composition of claim 1, wherein the catalyst composition is a slurry, said catalyst composition further comprising:
  - (d) a slurrying medium.
- 9. (Currently Amended): A catalyst composition, comprising:
  - (a) a molecular sieve;
  - (b) a clay or elay type matrix material containing less than about 15,000 wppm titanium and titanium-containing species, based on the total weight of the matrix material; and
  - (c) optionally binder.
- 10. (Original): The composition of claim 9, wherein the matrix material contains less than about 10,000 wppm titanium and titanium-containing species, based on the total weight of the matrix material.
- 11. (Original): The composition of claim 10, wherein the matrix material contains less than about 5,000 wppm titanium and titanium-containing, based on the total weight of the matrix material.
- 12. (Original): The composition of claim 9, wherein the matrix material is selected from the group consisting of: kaolin, halloysite, kaolinite, dickite, nacrite, montmorillonite, saponite, hectorite and laponite.
- 13. (Original): The composition of claim 9, wherein the catalyst composition has a d<sub>50</sub> particle size from about 20 to about 200 microns.
- 14. (Original): The composition of claim 9, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18,

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SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof, and mixtures thereof.

- 15. (Original): The composition of claim 14, wherein the molecular sieve is selected from the group consisting of SAPO-34, AEI/CHA intergrowths, the metal containing forms thereof, and mixtures thereof.
- 16. (Original): The composition of claim 9, wherein the catalyst composition is a slurry, said catalyst composition further comprising:
  - (d) a slurrying medium.
- 17. (Currently Amended): A catalyst composition, comprising:
  - (a) a molecular sieve;
  - (b) a clay or clay-type matrix material containing less than about 1,500 wppm nickel and nickel-containing species, based on the total weight of the matrix material; and
  - (c) optionally binder.
- 18. (Original): The composition of claim 17, wherein the matrix material contains less than about 300 wppm nickel and nickel-containing species, based on the total weight of the matrix material.
- 19. (Original): The composition of claim 18, wherein the matrix material contains less than about 150 wppm nickel and nickel-containing species, based on the total weight of the matrix material.
- 20. (Original): The composition of claim 17, wherein the matrix material is selected from the group consisting of: kaolin, halloysite, kaolinite, dickite, nacrite, montmorillonite, hectorite, saponite and laponite
- 21. (Original): The composition of claim 17, wherein the catalyst composition has a d<sub>50</sub>

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particle size from about 20 to about 200 microns.

- 22. (Original): The composition of claim 17, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof, and mixtures thereof.
- 23. (Original): The composition of claim 22, wherein the molecular sieve is selected from the group consisting of SAPO-34, AEI/CHA intergrowths, the metal containing forms thereof, and mixtures thereof.
- 24. (Original): The composition of claim 17, wherein the catalyst composition is a slurry, said catalyst composition further comprising:
  - (d) a slurrying medium.
- 25. (Currently Amended) A catalyst composition, comprising:
  - (a) a molecular sieve;
  - (b) a clay or-clay type matrix material containing less than about 1,500 wppm cobalt and cobalt-containing species, based on the total weight of the matrix material; and
  - (c) optionally binder.
- 26. (Original): The composition of claim 25, wherein the matrix material contains less than about 100 wppm cobalt and cobalt-containing species, based on the total weight of the matrix material.
- 27. (Original): The composition of claim 26, wherein the matrix material contains less than about 5 wppm cobalt and cobalt-containing species, based on the total weight of the matrix material.
- 28. (Original): The composition of claim 25, wherein the matrix material is selected

from the group consisting of: kaolin, halloysite, kaolinite, dickite, nacrite, montmorillonite, hectorite, saponite and laponite.

- 29. (Original): The composition of claim 25, wherein the catalyst composition has a  $d_{50}$  particle size from about 20 to about 200 microns.
- 30. (Original): The composition of claim 25, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof, and mixtures thereof.
- 31. (Original): The composition of claim 30, wherein the molecular sieve is selected from the group consisting of SAPO-34, AEI/CHA intergrowths, the metal containing forms thereof, and mixtures thereof.
- 32. (Original): The composition of claim 25, wherein the catalyst composition is a slurry, said catalyst composition further comprising:
  - (d) a slurrying medium.
- 33. (Currently Amended): A process for forming a molecular sieve catalyst composition, the process comprising the steps of:
  - (a) selecting a clay or clay type matrix material containing less than 10,000 wppm of iron and iron-containing species, based on the total weight of the matrix material;
  - (b) forming a slurry containing the matrix material, a molecular sieve, a slurrying medium, and optionally a binder; and
  - (c) drying the slurry to produce the molecular sieve catalyst composition.
- 34. (Original): The process of claim 33, wherein the matrix material contains less than 7,000 wppm of iron and iron-containing species, based on the total weight of the matrix material.

- 35. (Original): The process of claim 34, wherein the matrix material contains less than 4,000 wppm of iron and iron-containing species, based on the total weight of the matrix material.
- 36. (Original): The process of claim 33, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof, and mixtures thereof.
- (Currently Amended): A process for forming a molecular sieve catalyst composition, the process comprising the steps of:
  - (a) selecting a clay er clay type matrix material containing less than 15,000 wppm of titanium and titanium-containing species, based on the total weight of the matrix material;
  - (b) forming a slurry containing the matrix material, a molecular sieve, a slurrying medium, and optionally a binder; and
  - (c) drying the slurry to produce the molecular sieve catalyst composition.
- 38. (Original): The process of claim 37, wherein the matrix material contains less than 10,000 wppm of titanium and titanium-containing species, based on the total weight of the matrix material.
- 39. (Original): The process of claim 38, wherein the matrix material contains less than 5,000 wppm of titanium and titanium-containing species, based on the total weight of the matrix material.
- 40. (Original): The process of claim 37, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing

forms thereof, intergrown forms thereof, and mixtures thereof.

- 41. (Currently Amended): A process for forming a molecular sieve catalyst composition, the process comprising the steps of:
  - (a) selecting a clay or clay type matrix material containing less than 1,500 wppm of nickel and nickel-containing species, based on the total weight of the matrix material;
  - (b) forming a slurry containing the matrix material, a molecular sieve, a slurrying medium, and optionally a binder; and
  - (c) drying the slurry to produce the molecular sieve catalyst composition.
- 42. (Original): The process of claim 41, wherein the matrix material contains less than 300 wppm of nickel and nickel-containing species, based on the total weight of the matrix material.
- 43. (Original): The process of claim 42, wherein the matrix material contains less than 150 wppm of nickel and nickel-containing species, based on the total weight of the matrix material.
- 44. (Original): The process of claim 41, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof, and mixtures thereof.
- 45. (Currently Amended): A process for forming a molecular sieve catalyst composition, the process comprising the steps of:
  - (a) selecting a clay or elay type matrix material containing less than 1,500 wppm of cobalt and cobalt-containing species, based on the total weight of the matrix material;
  - (b) forming a slurry containing the matrix material, a molecular sieve, a slurrying medium, and optionally a binder; and

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- (c) drying the slurry to produce the molecular sieve catalyst composition.
- 46. (Original): The process of claim 45, wherein the matrix material contains less than 100 wppm of cobalt and cobalt-containing species, based on the total weight of the matrix material.
- 47. (Original): The process of claim 46, wherein the matrix material contains less than 5 wppm of cobalt and cobalt-containing species, based on the total weight of the matrix material.
- 48. (Original): The process of claim 45, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof, and mixtures thereof.

Claims 49-91. (Canceled)

- 92. (Currently Amended): A catalyst composition, comprising:
  - (a) a molecular sieve;
  - (b) a clay or elay type matrix material containing less than about 1,500 wppm manganese and manganese-containing species, based on the total weight of the matrix material; and
  - (c) optionally binder.
- 93. (Original): The composition of claim 92, wherein the matrix material contains less than about 300 wppm manganese and manganese-containing species, based on the total weight of the matrix material.
- 94. (Original): The composition of claim 93, wherein the matrix material contains less than about 150 wppm manganese and manganese-containing species, based on the total weight of the matrix material.

- 95. (Original): The composition of claim 92, wherein the matrix material is selected from the group consisting of: kaolin, halloysite, kaolinite, dickite, nacrite, montmorillonite, hectorite, saponite and laponite.
- 96. (Original): The composition of claim 92, wherein the catalyst composition has a  $d_{50}$  particle size from about 20 to about 200 microns.
- 97. (Original): The composition of claim 92, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof, and mixtures thereof.
- 98. (Original): The composition of claim 97, wherein the molecular sieve is selected from the group consisting of SAPO-34, AEI/CHA intergrowths, the metal containing forms thereof, and mixtures thereof.
- 99. (Original): The composition of claim 92, wherein the catalyst composition is a slurry, said catalyst composition further comprising:
  - (d) a slurrying medium.
- 100. (Currently Amended): A catalyst composition, comprising:
  - (a) a molecular sieve:
  - (b) a clay or clay-type matrix material containing less than about 1,500 wppm vanadium and vanadium-containing species, based on the total weight of the matrix material; and
  - (c) optionally binder.
- 101. (Original): The composition of claim 100, wherein the matrix material contains less than about 300 wppm vanadium and vanadium-containing species, based on the total weight of the matrix material.

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- 102. (Original): The composition of claim 101, wherein the matrix material contains less than about 150 wppm vanadium and vanadium-containing species, based on the total weight of the matrix material.
- 103. (Original): The composition of claim 100, wherein the matrix material is selected from the group consisting of: kaolin, halloysite, kaolinite, dickite, nacrite, montmorillonite, hectorite, saponite and laponite.
- 104. (Original): The composition of claim 100, wherein the catalyst composition has a  $d_{50}$  particle size from about 20 to about 200 microns.
- 105. (Original): The composition of claim 100, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof, and mixtures thereof.
- 106. (Original): The composition of claim 105, wherein the molecular sieve is selected from the group consisting of SAPO-34, AEI/CHA intergrowths, the metal containing forms thereof, and mixtures thereof.
- 107. (Original): The composition of claim 100, wherein the catalyst composition is a slurry, said catalyst composition further comprising:
  - (d) a slurrying medium.
- 108. (Currently Amended): A process for forming a molecular sieve catalyst composition, the process comprising the steps of:
  - (a) selecting a clay or clay-type matrix material containing less than 1,500 wppm of manganese and manganese-containing species, based on the total weight of the matrix material;
  - (b) forming a slurry containing the matrix material, a molecular sieve, a slurrying medium, and optionally a binder; and

- (c) drying the slurry to produce the molecular sieve catalyst composition.
- 109. (Original): The process of claim 108, wherein the matrix material contains less than 300 wppm of manganese and manganese-containing species, based on the total weight of the matrix material.
- 110. (Original): The process of claim 109, wherein the matrix material contains less than 150 wppm of manganese and manganese-containing species, based on the total weight of the matrix material.
- 111. (Original): The process of claim 108, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof, and mixtures thereof.
- 112. (Currently Amended): A process for forming a molecular sieve catalyst composition, the process comprising the steps of:
  - (a) selecting a clay or elay type matrix material containing less than 1,500 wppm of vanadium and vanadium-containing species, based on the total weight of the matrix material:
  - (b) forming a slurry containing the matrix material, a molecular sieve, a slurrying medium, and optionally a binder; and
  - (c) drying the slurry to produce the molecular sieve catalyst composition.
- 113. (Original): The process of claim 112, wherein the matrix material contains less than 300 wppm of vanadium and vanadium-containing species, based on the total weight of the matrix material.
- 114. (Original): The process of claim 113, wherein the matrix material contains less than 150 wppm of vanadium and vanadium-containing species, based on the total weight of the matrix material.

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115. (Original): The process of claim 112, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof, and mixtures thereof.

- 116. (Currently Amended): A catalyst composition, comprising:
  - (a) a molecular sieve;
  - (b) a clay or clay-type matrix material; and
  - (c) optionally binder, wherein the catalyst composition contains less than about 10,000 wppm iron and iron-containing species, based on the total weight of the catalyst composition.
- 117. (Original): The composition of claim 116, wherein the catalyst composition contains less than about 7,000 wppm iron and iron-containing species, based on the total weight of the catalyst composition.
- 118. (Original): The composition of claim 117, wherein the catalyst composition contains less than about 4,000 wppm iron and iron-containing species, based on the total weight of the catalyst composition.
- 119. (Original): The composition of claim 116, wherein the matrix material contains less than about 10,000 wppm iron and iron-containing species, based on the total weight of the matrix material.
- 120. (Original): The composition of claim 119, wherein the matrix material is selected from the group consisting of: kaolin, halloysite, kaolinite, dickite, nacrite, hectorite and laponite.
- 121. (Original): The composition of claim 116, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-

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41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof and mixtures thereof.

- 122. (Currently Amended): A catalyst composition, comprising:
  - (a) a molecular sieve;
  - (b) a clay or clay type matrix material; and
  - (c) optionally binder, wherein the catalyst composition contains less than about 15,000 wppm titanium and titanium-containing species, based on the total weight of the catalyst composition.
- 123. (Original): The composition of claim 122, wherein the catalyst composition contains less than about 10,000 wppm titanium and titanium-containing species, based on the total weight of the catalyst composition.
- 124. (Original): The composition of claim 123, wherein the catalyst composition contains less than about 5,000 wppm titanium and titanium-containing species, based on the total weight of the catalyst composition.
- 125. (Original): The composition of claim 122, wherein the matrix material contains less than about 15,000 wppm titanium and titanium-containing species, based on the total weight of the matrix material.
- 126. (Original): The composition of claim 125, wherein the matrix material is selected from the group consisting of: kaolin, halloysite, kaolinite, dickite, nacrite, hectorite and laponite.
- 127. (Original): The composition of claim 122, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, All-CHA intergrowths, metal containing forms thereof, intergrown forms thereof and mixtures thereof.

128. (Currently Amended): A catalyst composition, comprising:

- (a) a molecular sieve;
- (b) a clay or elay type matrix material; and
- (c) optionally binder, wherein the catalyst composition contains less than about 1,500 wppm nickel and nickel-containing species, based on the total weight of the catalyst composition.
- 129. (Original): The composition of claim 128, wherein the catalyst composition contains less than about 300 wppm nickel and nickel-containing species, based on the total weight of the catalyst composition.
- 130. (Original): The composition of claim 129, wherein the catalyst composition contains less than about 150 wppm nickel and nickel-containing species, based on the total weight of the catalyst composition.
- 131. (Original): The composition of claim 128, wherein the matrix material contains less than about 1,500 wppm nickel and nickel-containing species, based on the total weight of the matrix material.
- 132. (Original): The composition of claim 131, wherein the matrix material is selected from the group consisting of: kaolin, halloysite, kaolinite, dickite, nacrite, hectorite and laponite.
- 133. (Original): The composition of claim 128, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof and mixtures thereof.
- 134. (Currently Amended): A catalyst composition, comprising:
  - (a) a molecular sieve;
  - (b) a clay or clay type matrix material; and

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- (c) optionally binder, wherein the catalyst composition contains less than about 1,500 wppm cobalt and cobalt-containing species, based on the total weight of the catalyst composition.
- 135. (Original): The composition of claim 134, wherein the catalyst composition contains less than about 100 wppm cobalt and cobalt-containing species, based on the total weight of the catalyst composition.
- 136. (Original): The composition of claim 135, wherein the catalyst composition contains less than about 5 wppm cobalt and cobalt-containing species, based on the total weight of the catalyst composition.
- 137. (Original): The composition of claim 134, wherein the matrix material contains less than about 1,500 wppm cobalt and cobalt-containing species, based on the total weight of the matrix material.
- 138. (Original): The composition of claim 137, wherein the matrix material is selected from the group consisting of: kaolin, halloysite, kaolinite, dickite, nacrite, hectorite and laponite.
- 139. (Original): The composition of claim 134, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof and mixtures thereof.
- 140. (Currently Amended): A catalyst composition, comprising:
  - (a) a molecular sieve:
  - (b) a clay or clay type matrix material; and
  - (c) optionally binder, wherein the catalyst composition contains less than about 1,500 wppm manganese and manganese-containing species, based on the total weight of the catalyst composition.

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141. (Original): The composition of claim 140, wherein the catalyst composition contains less than about 300 wppm manganese and manganese-containing species, based on the total weight of the catalyst composition.

142. (Original): The composition of claim 141, wherein the catalyst composition contains less than about 150 wppm manganese and manganese-containing species, based on the total weight of the catalyst composition.

143. (Original): The composition of claim 140, wherein the matrix material contains less than about 1,500 wppm manganese and manganese-containing species, based on the total weight of the matrix material.

144. (Original): The composition of claim 143, wherein the matrix material is selected from the group consisting of: kaolin, halloysite, kaolinite, dickite, nacrite, hectorite and laponite.

145. (Original): The composition of claim 140, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof and mixtures thereof.

146. (Currently Amended): A catalyst composition, comprising:

- (a) a molecular sieve;
- (b) a clay or clay type matrix material; and
- (c) optionally binder, wherein the catalyst composition contains less than about 1,500 wppm vanadium and vanadium-containing species, based on the total weight of the catalyst composition.
- 147. (Original): The composition of claim 146, wherein the catalyst composition contains less than about 300 wppm vanadium and vanadium-containing species, based on the total weight of the catalyst composition.

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148. (Original): The composition of claim 147, wherein the catalyst composition contains less than about 150 wppm vanadium and vanadium-containing species, based on the total weight of the catalyst composition.

149. (Original): The composition of claim 146, wherein the matrix material contains less than about 1,500 wppm vanadium and vanadium-containing species, based on the total weight of the matrix material.

150. (Original): The composition of claim 149, wherein the matrix material is selected from the group consisting of: kaolin, halloysite, kaolinite, dickite, nacrite, hectorite and laponite.

151. (Original): The composition of claim 146, wherein the molecular sieve is selected from the group consisting of SAPO-5, SAPO-8, SAPO-11, SAPO-16, SAPO-17, SAPO-18, SAPO-20, SAPO-31, SAPO-34, SAPO-35, SAPO-36, SAPO-37, SAPO-40, SAPO-41, SAPO-42, SAPO-44, SAPO-47, SAPO-56, AEI/CHA intergrowths, metal containing forms thereof, intergrown forms thereof and mixtures thereof.